INDEX TO AUTHORS

ABRAMS, IRVING. See SOLLNER and ABRAMS, 1
—. See SOLLNER, ABRAMS, and CARR, 467
ALLEN, FRANK, and SCHWARTZ, MANUEL. The effect of stimulation of the senses of vision, hearing, taste, and smell upon the sensibility of the organs of vision, 105
ALLEN, THOMAS HUNTER, and BODINE, JOSEPH HALL. Enzymes in ontogenesis (Orthoptera). XIII. Activation of protyrosinase and the oxidation of ascorbic acid, 99
ANSON, M. L. The sulfhydryl groups of egg albumin, 399
— and STANLEY, W. M. Some effects of iodine and other reagents on the structure and activity of tobacco mosaic virus, 679

BAKER, RICHARD F. See COLE and BAKER, 535, 771
BANFIELD, W. G. See HUNTER and BANFIELD, 297
BARGER, A. N., AND JOHNSON, R. E. Anaerobic glycogenolysis in the muscles of *Rana pipiens* living at low temperatures, 669
BLINKS, L. R., and PICKETT, M. J. The effect of oxidants and reductants upon the bioelectric potential of *Nitella*, 33
— and SKOW, R. K. The electrical capacity of *Valonia*. Direct current measurements, 247
BODINE, JOSEPH HALL, and CARLSON, LOREN D. Enzymes in ontogenesis (Orthoptera). XIV. The action of proteins on certain activators of protyrosinase, 423
—. See ALLEN and BODINE, 99
BOURDILLON, JAQUES. A new method for the study of diffusion of biologically active material, 459
BRODY, E. BLOOR. The influence of age, hypophysectomy, thyroidectomy, and thyroxin injection on simple reaction time in the rat, 433
BRONFENBRENNER, J. See HERSHEY and BRONFENBRENNER, 703
BROWN, B. B. See KRUEGER, BROWN, and SCRIBNER, 691
BURR, G. O. See MYERS and BURR, 45
BUTLER, J. A. V. The use of solubility as a criterion of purity of proteins. I. Application of the phase rule to the solubility of proteins. II. The solubility curves and purity of chymotrypsinogen, 189

CARLSON, LOREN D. See BODINE and CARLSON, 423
CARR, CHARLES W. See SOLLNER, ABRAMS, and CARR, 467
CLOWES, G. H. A. See KRAHL, KELTCH, NEUBECK, and CLOWES, 597
COLE, KENNETH S., and BAKER, RICHARD F. Longitudinal impedance of the squid giant axon, 771
— and —. Transverse impedance of the squid giant axon during current flow, 535
— and CURTIS, HOWARD J. Membrane potential of the squid giant axon during current flow, 551
COMMONER, BARRY, and THIMANN, KENNETH V. On the relation between growth and respiration in the *Avena* coleoptile, 279
COX, RICHARD T., and PONDER, ERIC. A new form of diffractometer, 619
CROZIER, W. J., and WOLF, ERNST. The flicker response contour for *Phrynosoma* (horned lizard; cone retina), 317
— and —. The simplex flicker threshold contour for the zebra finch, 625

CROZIER, W. J., and WOLF, ERNST. Theory and measurement of visual mechanisms. IV. Critical intensities for visual flicker, monocular and binocular, 505
— and —. V. Flash duration and critical intensity for response to flicker, 635
CUNNINGHAM, BURRIS, and KIRK, PAUL L. A new form of differential microrespirometer, 135
CURTIS, HOWARD J. See COLE and CURTIS, 551

DEAN, R. B., NOONAN, T. R., HAEGE, L., and FENN, W. O. Permeability of erythrocytes to radioactive potassium, 353
DESREUX, V. See HERRIOTT, DESREUX, and NORTHROP, 213

ELLIS, EMORY L., and SPIZIZEN, JOHN. The rate of bacteriophage inactivation by filtrates of *Escherichia coli* cultures, 437
ENZMANN, E. V. See WHELDEN, ENZMANN, and HASKINS, 789
EVANS, HERBERT M. See LI, LYONS, and EVANS, 303

FANKUCHEN, I. An x-ray and crystallographic study of ribonuclease, 315
FENN, W. O. See DEAN, NOONAN, HAEGE, and FENN, 353
FERGUSON, JOHN H. See GLAZKO and FERGUSON, 169
FORBES, W. H. See MCFARLAND and FORBES, 69
FOSTER, JACKSON W. The rôle of organic substrates in photosynthesis of purple bacteria, 123
FURCHGOTT, ROBERT F., and PONDER, ERIC. Electrophoretic studies on human red blood cells, 447

GLAZKO, ANTHONY J., and FERGUSON, JOHN H. Kinetics of thrombin inactivation as influenced by physical conditions, trypsin, and serum, 169
GOULD, BERNARD S., and TYTELL, ALFRED A. Studies in the physiology of *Fusaria*. The respiratory and fermentative mechanisms, 655

HADIDIAN, ZAREH, and HOAGLAND, HUDSON. Chemical pacemakers. III. Activation energies of some rate-limiting components of respiratory systems, 339
HAEGE, L. See DEAN, NOONAN, HAEGE, and FENN, 353
HAIG, CHARLES. The course of rod dark adaptation as influenced by the intensity and duration of pre-adaptation to light, 735
HASKINS, C. P. See WHELDEN, ENZMANN, and HASKINS, 789
HERRIOTT, ROGER M. Isolation, crystallization, and properties of pepsin inhibitor, 325
—, DESREUX, V., and NORTHROP, JOHN H. Fractionation of pepsin. I. Isolation of crystalline pepsin of constant activity and solubility from pepsinogen or commercial pepsin preparations. II. Preparation of a less soluble fraction. III. Solubility curves of mixtures of the soluble and insoluble fractions. IV. Preparation of highly active pepsin from pepsinogen, 213
HERSHEY, A. D., and BRONFENBRENNER, J. The influence of host resistance on virus infectivity as exemplified with bacteriophage, 703
HILL, S. E. See OSTERHOUT and HILL, 9
HOAGLAND, HUDSON. See HADIDIAN and HOAGLAND, 339
HUNTER, F. R., and BANFIELD, W. G. The effect of swelling on the respiration of erythrocytes, 297

JOHNSON, R. E. See BARGER and JOHNSON, 669

KELTCH, A. K. See KRAHL, KELTCH, NEUBECK, and CLOWES, 597
KIRK, PAUL L. See CUNNINGHAM and KIRK, 135

KNOPFMACHER, H. P., and SALLE, A. J. Studies on the lactase of *Escherichia coli*, 377
KRAHL, M. E., KELTCH, A. K., NEUBECK, C. E., and CLOWES, G. H. A. Studies on cell metabolism and cell division. V. Cytochrome oxidase activity in the eggs of *Arbacia punctulata*, 597
KRUEGER, A. P., BROWN, B. B., and SCRIBNER, E. J. The effect of sonic vibrations on phage, phage precursor, and the bacterial substrate, 691
KUNITZ, M. Crystalline ribonuclease, 15

LI, CHOH HAO, LYONS, WILLIAM R., and EVANS, HERBERT M. Studies on pituitary lactogenic hormone. III. Solubilities of sheep and beef hormones, 303
LYONS, WILLIAM R. See LI, LYONS, and EVANS, 303

MALUF, N. S. RUSTUM. The uptake of inorganic electrolytes by the crayfish, 151
MCFARLAND, R. A., and FORBES, W. H. The effects of variations in the concentration of oxygen and of glucose on dark adaptation, 69
MIRSKY, A. E. Sulfhydryl groups in films of egg albumin, 725
—. Sulfhydryl groups of egg albumin in different denaturing agents, 709
MYERS, JACK, and BURR, G. O. Studies on photosynthesis. Some effects of light of high intensity on *Chlorella*, 45

NEUBECK, C. E. See KRAHL, KELTCH, NEUBECK, and CLOWES, 597
NOONAN, T. R. See DEAN, NOONAN, HAEGE, and FENN, 353
NORTHROP, JOHN H. See HERRIOTT, DESREUX, and NORTHROP, 213

OSTERHOUT, W. J. V. Chemical restoration in *Nitella*. IV. Effects of guanidine, 7
—. Effects of hexylresorcinol on *Valonia*, 311
—. Effects of nitrobenzene and benzene on *Valonia*, 699
— and HILL, S. E. The experimental production of double peaks in *Chara* action curves and their relation to the movement of potassium, 9

PARKER, G. H. Melanophore bands and areas due to nerve cutting, in relation to the protracted activity of nerves, 483
PICKELS, EDWARD G. See SMITH and PICKELS, 753
PICKETT, M. J. See BLINKS and PICKETT, 33
PONDER, ERIC. See COX and PONDER, 619
—. See FURCHGOTT and PONDER, 447

ROBINSON, TRUE W., and STIER, T. J. B. Formation of auxin in yeast cultures, 765
ROTHEN, ALEXANDRE. Molecular weight and electrophoresis of crystalline ribonuclease, 203

SALLE, A. J. See KNOPFMACHER and SALLE, 377
SALOMON, KURT. Studies on invertebrate hemoglobins (erythrocruorins), 367
SCHWARTZ, MANUEL. See ALLEN and SCHWARTZ, 105
SCRIBNER, E. J. See KRUEGER, BROWN, and SCRIBNER, 691
SKOW, R. K. See BLINKS and SKOW, 247
SMITH, EMIL L. The action of sodium dodecyl sulfate on the chlorophyll-protein compound of the spinach leaf, 583
—. The chlorophyll-protein compound of the green leaf, 565
— and PICKELS, EDWARD G. The effect of detergents on the chlorophyll-protein compound of spinach as studied in the ultracentrifuge, 753

SOLLNER, KARL, and ABRAMS, IRVING. New experiments on anomalous osmosis, 1
—, —, and CARR, CHARLES W. The structure of the collodion membrane and its electrical behavior. I. The behavior and properties of commercial collodion, 467
SPIZIZEN, JOHN. See ELLIS and SPIZIZEN, 437
STANLEY, W. M. See ANSON and STANLEY, 679
STIER, T. J. B. See ROBINSON and STIER, 765
THIMANN, KENNETH V. See COMMONER and THIMANN, 279
TYTELL, ALFRED A. See GOULD and TYTELL, 655
WHELDEN, R. M., ENZMANN, E. V., and HASKINS, C. P. The influence of Roentgen rays upon the nitrogen fixation by *Azotobacter*, 789
WHITAKER, D. M. The effect of unilateral ultraviolet light on the development of the *Fucus* egg, 263
WOLF, ERNST. See CROZIER and WOLF, 317, 505, 625, 635

INDEX TO SUBJECTS

ACID, ascorbic, oxidation, and activation of protyrosinase from Orthoptera, 99
Action curves, *Chara*, production of double peaks, relation to movement of potassium, 9
Age, hypophysectomy, thyroidectomy, and thyroxin injection, influence on simple reaction time in rat, 433
Albumin, egg, films, sulfhydryl groups, 725
—, egg, in denaturing agents, sulfhydryl groups, 709
—, egg, sulfhydryl groups, 399
Anaerobic glycogenolysis in muscles of *Rana pipiens* living at low temperatures, 669
Arbacia punctulata eggs, cytochrome oxidase activity, 597
Ascorbic acid, oxidation and activation of protyrosinase from Orthoptera, 99
Auxin formation in yeast cultures, 765
Avena coleoptile, respiration and growth, relation, 279
Axon, giant, squid, longitudinal impedance, 771
—, giant, squid, membrane potential during current flow, 551
—, giant, squid, transverse impedance during current flow, 535
Azotobacter, nitrogen fixation, influence of Roentgen rays, 789

BACTERIA, purple, photosynthesis, rôle of organic substrates, 123
Bacterial substrate, phage, and phage precursor, effect of sonic vibrations, 691
Bacteriophage inactivation by filtrates of *Escherichia coli* cultures, rate, 437
Bacteriophage, influence of host resistance on virus infectivity as exemplified with, 703
Beef and sheep pituitary lactogenic hormones, solubilities, 303
Benzene and nitrobenzene, effects on *Valonia*, 699
Bioelectric potential of *Nitella*, effect of oxidants and reductants, 33
Biologically active material, diffusion, new method, 459
Blood cells, red. *See* Erythrocytes.
—, corpuscles, red. *See* Erythrocytes.

CELL, blood, red. *See* Erythrocytes.
— metabolism and cell division, 597
Centrifuge, ultra-, study of effect of detergents on chlorophyll-protein compound of spinach, 753
Chara action curves, production of double peaks, relation to movement of potassium, 9
Chemical pacemakers, activation energies of rate-limiting components of respiratory systems, 339
— restoration in *Nitella*, effects of guanidine, 7
Chlorella, effects of high intensity light, 45
Chlorophyll-protein compound of green leaf, 565
— compound of spinach, effect of detergents as studied in ultracentrifuge, 753
— compound of spinach leaf, action of sodium dodecyl sulfate on, 583
Chymotrypsinogen, solubility curves and purity, 189
Coleoptile, *Avena*, growth and respiration, relation, 279

Collodion membrane, commercial, structure, electrical behavior, and properties, 467
Cone retina, *Phrynosoma*, flicker response contour, 317
Corpuscle, blood, red. *See* Erythrocytes.
Crayfish, uptake of inorganic electrolytes by, 151
Crystallization, isolation, and properties of pepsin inhibitor, 325
Crystallographic and x-ray study of ribonuclease, 315
Cultivation, *Escherichia coli*, filtrates, rate by bacteriophage inactivation by, 437
—, yeast, formation of auxin, 765
Cytochrome oxidase activity in eggs of *Arbacia punctulata*, 597

DARK adaptation, effects of variations in concentration of oxygen and glucose on, 69
— adaptation, rod, course as influenced by intensity and duration of preadaptation to light, 735
Denaturing agents, sulfhydryl groups of egg albumin in, 709
Detergents, effect on chlorophyll-protein compound of spinach as studied in ultracentrifuge, 753
Differential microrespirometer, new form, 135
Diffractometer, new form, 619
Diffusion of biologically active material, new method, 459

EGG albumin films, sulfhydryl groups, 725
— albumin in denaturing agents, sulfhydryl groups, 709
— albumin, sulfhydryl groups, 399
—, *Fucus*, development, effect of unilateral ultraviolet light, 263
Eggs, *Arbacia punctulata*, cytochrome oxidase activity, 597
Electric potential of *Nitella*, effect of oxidants and reductants, 33
Electrical behavior, structure, and properties of commercial collodion membrane, 467
— capacity of *Valonia*, direct current measurements, 247
Electricity, membrane potential of squid giant axon during current flow, 551
—, transverse impedance of squid giant axon during current flow, 535
Electrolytes, inorganic, uptake by crayfish, 151
Electrophoresis and molecular weight of crystalline ribonuclease, 203
Electrophoretic studies on human red blood cells, 447
Enzymes in ontogenesis, Orthoptera, action of proteins on activators of protyrosinase, 423
— in ontogenesis, Orthoptera, activation of protyrosinase and oxidation of ascorbic acid, 99
Erythrocruorins, 367
Erythrocytes, human, electrophoretic studies, 447
—, permeability to radioactive potassium, 353
—, respiration, effect of swelling, 297
Escherichia coli cultures, filtrates, rate of bacteriophage inactivation by, 437
— *coli*, lactase, 377

FERMENTATIVE and respiratory mechanisms of *Fusaria*, 655
Filtrates of *Escherichia coli* cultures, rate of bacteriophage inactivation by, 437
Finch, zebra, simplex flicker threshold contour, 625
Fucus egg, development, effect of unilateral ultraviolet light, 263
Fusaria, physiology, respiratory and fermentative mechanisms, 655

GLUCOSE and oxygen, concentration, effects of variations on dark adaptation, 69
Glycogenolysis, anaerobic, in muscles of *Rana pipiens* living at low temperatures, 669
Growth and respiration in *Avena* coleoptile, relation, 279
Guanidine, effects on chemical restoration in *Nitella*, 7

HEARING, stimulation, effect upon sensibility of organs of vision, 105
Hemoglobins, invertebrate, erythrocruorins, 367
Hexylresorcinol, effects on *Valonia*, 311
Hormones, pituitary lactogenic, sheep and beef, solubilities, 303
Hypophysectomy, thyroidectomy, thyroxin injection, and age, influence on simple reaction time in rat, 433

IMPEDANCE, longitudinal, of squid giant axon, 771
—, transverse, of squid giant axon during current flow, 535
Injection, thyroxin, hypophysectomy, thyroidectomy, and age, influence on simple reaction time in rat, 433
Inorganic electrolytes, uptake by crayfish, 151
Invertebrate hemoglobins, erythrocruorins, 367
Iodine and other reagents, effects on structure and activity of tobacco mosaic virus, 679

KINETICS of thrombin inactivation influenced by physical conditions, trypsin, and serum, 169

LACTASE of *Escherichia coli*, 377
Lactogenic hormones, pituitary, sheep and beef, solubilities, 303
Leaf, green, chlorophyll-protein compound, 565
—, spinach, chlorophyll-protein compound, action of sodium dodecyl sulfate on, 583
Light, course of rod dark adaptation as influenced by intensity and duration of pre-adaptation to, 735
—, high intensity, effects on *Chlorella*, 45
—, ultraviolet, unilateral, effect on development of *Fucus* egg, 263
Lizard, horned, cone retina, flicker response contour, 317

MAN, red blood cells, electrophoretic studies, 447
Melanophore bands and areas due to nerve cutting in relation to protracted activity of nerves, 483
Membrane, collodion, commercial, structure, electrical behavior, and properties, 467
— potential of squid giant axon during current flow, 551
Metabolism, cell, and cell division, 597
Microrespirometer, differential, new form, 135
Molecular weight and electrophoresis of crystalline ribonuclease, 203
Mosaic virus, tobacco, structure and activity, effects of iodine and other reagents, 679
Muscles, *Rana pipiens*, living at low temperatures, anaerobic glycogenolysis in, 669

NERVE cutting, melanophore bands and areas due to, in relation to protracted activity of nerves, 483
Nitella, bioelectric potential, effect of oxidants and reductants, 33
—, chemical restoration, effects of guanidine, 7
Nitrobenzene and benzene, effects on *Valonia*, 699
Nitrogen fixation by *Azotobacter*, influence of Roentgen rays, 789
Nuclease, ribo-, crystalline, 15
—, ribo-, crystalline, molecular weight and electrophoresis, 203
—, ribo-, x-ray and crystallographic study, 315

ONTOGENESIS, Orthoptera, enzymes, action of proteins on activators of protyrosinase, 423
—, Orthoptera, enzymes, activation of protyrosinase and oxidation of ascorbic acid, 99
Organic substrates, rôle in photosynthesis of purple bacteria, 123
Organs of vision, sensibility, effect of stimulation of senses of vision, hearing, taste, and smell, 105

Orthoptera, ontogenesis, enzymes, action of proteins on activators of protyrosinase, 423
—, ontogenesis, enzymes, activation of protyrosinase and oxidation of ascorbic acid, 99
Osmosis, anomalous, 1
Oxidants and reductants, effect upon bioelectric potential of *Nitella*, 33
Oxidase, cytochrome, activity in eggs of *Arbacia punctulata*, 597
Oxidation of ascorbic acid, and activation of protyrosinase from Orthoptera, 99
Oxygen and glucose, concentration, effects of variations on dark adaptation, 69

PEPSIN, fractionation, 213
— inhibitor, isolation, crystallization, and properties, 325
Pepsinogen, isolation of crystalline pepsin of constant activity and solubility from, 213
Permeability of erythrocytes to radioactive potassium, 353
Phage, phage precursor, and bacterial substrate, effect of sonic vibrations, 691
Phase rule, application to solubility of proteins, 189
Photosynthesis, effects of high intensity light on *Chlorella*, 45
— of purple bacteria, rôle of organic substrates, 123
Phrynosoma, cone retina, flicker response contour, 317
Physical conditions, trypsin, and serum, influence on kinetics of thrombin inactivation, 169
Physiology, *Fusaria*, respiratory and fermentative mechanisms, 655
Pituitary lactogenic hormones, sheep and beef, solubilities, 303
Potassium, movement, relation of double peaks in *Chara* action curves, 9
—, radioactive, permeability of erythrocytes to, 353
Potential, bioelectric, of *Nitella*, effect of oxidants and reductants, 33
—, membrane, of squid giant axon during current flow, 551
Protein-chlorophyll compound of green leaf, 565
— compound of spinach, effect of detergents as studied in ultracentrifuge, 753
— compound of spinach leaf, action of sodium dodecyl sulfate on, 583
Proteins, action on activators of protyrosinase from Orthoptera, 423
—, purity, use of solubility as criterion, application of phase rule, 189
Protyrosinase, Orthoptera, activation, and oxidation of ascorbic acid, 99
—, Orthoptera, activators, action of proteins on, 423

RADIOACTIVE potassium, permeability of erythrocytes to, 353
Rana pipiens living at low temperatures, muscles, anaerobic glycogenolysis, 669
Reductants and oxidants, effect upon bioelectric potential of *Nitella*, 33
Resistance, host, influence on virus infectivity as exemplified with bacteriophage, 703
Resorcinol, hexyl-, effects on *Valonia*, 311
Respiration and growth in *Avena* coleoptile, relation, 279
— of erythrocytes, effect of swelling, 297
Respiratory and fermentative mechanisms of *Fusaria*, 655
— systems, rate-limiting components, activation energies, 339
Respirometer, micro-, differential, new form, 135
Retina, cone, *Phrynosoma*, flicker response contour, 317
Ribonuclease, crystalline, 15
—, crystalline, molecular weight and electrophoresis, 203
—, x-ray and crystallographic study, 315
Rod dark adaptation, course as influenced by intensity and duration of pre-adaptation to light, 735
Roentgen ray and crystallographic study of ribonuclease, 315
— rays, influence upon nitrogen fixation by *Azotobacter*, 789

SENSES of vision, hearing, taste, and smell, effect of stimulation upon sensibility of organs of vision, 105
Sensibility of organs of vision, effect of stimulation of senses of vision, hearing, taste, and smell, 105
Serum, physical conditions, and trypsin, influence on kinetics of thrombin inactivation, 169
Sheep and beef pituitary lactogenic hormones, solubilities, 303
Simplex flicker threshold contour for zebra finch, 625
Smell, stimulation, effect upon sensibility of organs of vision, 105
Sodium dodecyl sulfate, action on chlorophyll-protein compound of spinach leaf, 583
Solubilities of sheep and beef pituitary lactogenic hormones, 303
Solubility curves of mixtures of soluble and insoluble fractions of pepsin, 213
—, use as criterion of purity of proteins, application of phase rule, 189
Sonic vibrations, effect on phage, phage precursor, and bacterial substrate, 691
Spinach, chlorophyll-protein compound, effect of detergents as studied in ultracentrifuge, 753
— leaf, chlorophyll-protein compound, action of sodium dodecyl sulfate, 583
Squid giant axon, longitudinal impedance, 771
— giant axon, membrane potential during current flow, 551
— giant axon, transverse impedance during current flow, 535
Stimulation of senses of vision, hearing, taste, and smell, effect upon sensibility of organs of vision, 105
Substrate, bacterial, phage, and phage precursor, effect of sonic vibrations, 691
Substrates, organic, rôle in photosynthesis of purple bacteria, 123
Sulfhydryl groups in films of egg albumin, 725
Sulfhydryl groups of egg albumin, 399
— groups of egg albumin in denaturing agents, 709
Swelling, effect on respiration of erythrocytes, 297

TASTE, stimulation, effect upon sensibility of organs of vision, 105
Temperatures, low, anaerobic glycogenolysis in muscles of *Rana pipiens* living at, 669
Thrombin inactivation, kinetics influenced by physical conditions, trypsin, and serum, 169
Thyroidectomy, hypophysectomy, thyroxin injection, and age, influence on simple reaction time in rat, 433
Thyroxin injection, hypophysectomy, thyroidectomy, and age, influence on simple reaction time in rat, 433
Tobacco mosaic virus, structure and activity, effects of iodine and other reagents, 679
Trypsin, serum, and physical conditions, influence on kinetics of thrombin inactivation, 169

ULTRACENTRIFUGE study of effect of detergents on chlorophyll-protein compound of spinach, 753
Ultraviolet light, unilateral, effect on development of *Fucus* egg, 263

VALONIA, effects of hexylresorcinol, 311
—, effects of nitrobenzene and benzene, 699
—, electrical capacity, direct current measurements, 247
Vibrations, sonic, effect on phage, phage precursor, and bacterial substrate, 691
Virus infectivity, influence of host resistance as exemplified with bacteriophage, 703
—, tobacco mosaic, structure and activity, effects of iodine and other reagents, 679

Vision, mechanisms, theory and measurement, critical intensities for visual flicker, monocular and binocular, 505

—, mechanisms, theory and measurement, flash duration and critical intensity for response to flicker, 635

Vision, organs, sensibility, effect of stimulation of senses of vision, hearing, taste, and smell, 105

X-RAY. *See* Roentgen ray.

YEAST cultures, formation of auxin, 765